

AL POLLUTION PREVENTION MID-YEAR FY 01 REPORT

The purpose of this report is to highlight the DOE Albuquerque Operations Office (AL) and AL sites' Pollution Prevention (P2) Program activities. This report is intended to provide a summary of AL P2 activities and to inform management of AL P2 progress, issues, and activities through Mid-Year FY01.

This report replaces previous quarterly AL P2 reports. The reporting cycle for P2 program accomplishments and activities has been restructured to collect data on a semi-annual basis versus quarterly. This restructured approach took effect at the beginning of this FY for Department-wide P2 reporting. For consistency purposes this report will be developed and published on a semi-annual basis.

Data for this report is derived from AL P2 activities and accomplishments submitted to the DOE Headquarters (HQ) Pollution Prevention Team (EM-22) P2 database. For additional information concerning specific site P2 accomplishment activities, please visit the EM-22 web site at <http://doep2.org>.

Program Summary

- For the first half of FY01, AL sites reported a total of 69 (65 without wastewater) P2 projects. Excluding wastewater, a total of 2,200 cubic meters of waste was reduced through P2 projects. Also excluding wastewater, the waste type most reduced during this time period was sanitary waste followed by hazardous waste, LLW, and TRU, respectively. No MLLW waste reduction was reported.
- Of the 69 reported projects, seven were source reduction projects, three were segregation projects, and 59 were recycle/reuse or programmatic projects. The ordering of these projects is based on the P2 hierarchy where source reduction is the preferred P2 method, followed by segregation and recycle/reuse.
- Total reported cleanup/stabilization (C&S) waste reduction for the first half of FY01 was 6.14 cubic meters. This compares to a total FY00 C&S waste reduction of 4,109 cubic meters. The AL EM FY01 commitment is to reduce 1,630 cubic meters of C&S waste. This number was based on estimated AL C&S waste generation of 16,300 cubic meters in FY01 and the secretarial goal calling for a 10% reduction of this waste through P2 activities.
- Item of note: SNL/NM and SNL/CA reported no P2 accomplishments in the first half of FY01. The C&S waste reduction number for the first half of FY01 is very low and should stand out as an indicator that AL may not achieve the EM commitment. Historically, SNL/NM contributes significantly to this performance measure. Given no accomplishment reporting by SNL, the 6.14 cubic meter figure may not reflect true actual performance by AL on this measure for this time period.

Program Issues, Accomplishments and Upcoming Events

- The moratorium on recycling of scrap metals from radiological controlled areas (RCAs) and radiological material management areas (RMMAs) is having an impact on AL sites. The Secretarial goals for recycling will not be achieved by AL under the current situation. AL is working with HQ

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program offices in developing options to respond to the metals moratorium issue. Work is under way to evaluate the impact of the moratorium on AL sites. In addition, work is progressing in the development of a waiver request to provide relief for metals recycling on a case by case basis through HQ. Updated status and information on the metals moratorium issue can be obtained from Charlie Henn.

- HQ is continuing to evaluate site P2/Energy Efficiency (E2) plans that were submitted in March, 2001. The plans provided resource, financial, and programmatic needs necessary to meet the FY 2005 Secretarial P2/E2 goals on a site by site basis. EM has determined that the site P2/E2 plans are sufficient in meeting the P2 Triennial Plan updates required to be completed this FY. However, AL is encouraging sites to update their 1996 P2 Plans to fit current P2 program operations and to have these updated plans available by the end of this FY. The next steps concerning the P2/E2 plans is for HQ and AL to finalize evaluation of the plans, prioritize projects, and request funding for priorities through the budget process.
- All AL sites are in the process of implementing the Environmental Management System (EMS) requirements of Executive Order (EO) 13148. Some sites are further along than other sites. The Kansas City Plant is fully compliant as they are ISO 14001 certified. The Department, including NNSA, is moving forward with guidance to implement EMS through Integrated Safety Management (ISM). EH is working on a DOE Order (450.1) that should be out at the end of this calendar year providing guidance, responsibilities and requirements.
- The 2001 National P2 Conference was held in Albuquerque at the Crowne Plaza Pyramid Hotel June 18-22, 2001. The theme of the conference was “Continuing the Voyage to a Pollution-Free DOE”. The Conference was focused on providing tools and strategies to achieve the 2005 P2/E2 goals. An estimated 400 individuals attended the conference.
- In April 2001, AL conducted a round robin with AL sites to provide a HQ sponsored Buying Green Training course. Susan Weber (HQ/EM-22), Richard Langston (HQ/MA), and Alison Thomas HQ/EE provided a 3 hour training session to site procurement and P2 program personnel concerning this subject.
- AL is beginning to work with sites on P2 contract performance measures for FY02. WMD is circulating P2 performance measure expectations for WMD which includes P2 program expectations. P2 expectations include performance criteria for EMS implementation, progress toward meeting the 2005 Secretarial P2 goals, and continuous P2 improvement over results from FY01.

Mid-Year FY 01 AL P2 Performance

For additional accomplishments or for more information on the accomplishments listed below please visit the EM-22 web site at <http://doep2.org>. Significant mid-year FY01 accomplishments include:

- The WIPP site donated computer equipment to local schools, saving approximately \$135K in waste disposal costs.
- Pantex is using a paper disintegrator for the destruction of classified matter. This process replaces burning as a means of classified material destruction.
- The CMR Upgrades Construction project at LANL reused \$700K of electrical equipment so far in FY01.

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- Gamma ray detector housings were relocated from LANL to CalTech. The housings were reused instead of being disposed of for a reported cost savings of \$150K.

Total waste reductions, excluding wastewater, for the first half of FY01 are summarized in the table below.

Mid-year FY01 Total Waste Reductions ^[1]			
Waste Type	Routine	Cleanup	Total
SAN	1,922.90	6.14	1,929.04
HAZ	229.44	0.00	229.44
LLW	40.58	0.00	40.58
MLLW	0.00	0.00	0.00
TRU	0.97	0.00	0.97
Total	2,193.89	6.14	2,200.03

^[1] Hazardous wastes and sanitary waste are measured in metric tons; all other waste types are measured in cubic meters. Quantities indicated in this table assume that one metric ton is equivalent to one cubic meter.

Individual Site Accomplishments

The table below represent a roll-up summary of AL P2 accomplishments by site. AL sites reported a total of 4 waste water projects through mid-year FY01. These projects accounted for a waste reduction of 29,897 cubic meters and a reported costs savings/avoidance of \$66,106. Additional accomplishment information is available at the EM web site, at <http://doep2.org>.

AL Site P2 Reported Performance - Mid-Year FY01			
Site	# of Reported Accomplishments	Semiannual Reductions ^[1]	Semiannual Savings (\$)
Grand Junction Office	8	20.75	\$0
Kansas City Plant	1	191.00	\$0
Los Alamos National Laboratory	25	1,833.29	\$1,108,076
Pantex Plant	16	99.58	\$227,253
Sandia National Laboratories-CA	0	0.00	\$0
Sandia National Laboratories-NM	0	0.00	\$0
WIPP	15	55.41	\$136,786
Total	65	2,200.03	\$1,472,115

^[1] Hazardous wastes and sanitary waste are measured in metric tons; other waste types are measured in cubic meters. Quantities indicated in this table assume that one metric ton is equivalent to one cubic meter. Data excludes waste water project totals.